In order to perform an Oracle database sizing exercise, Enkitec requires a non-intrusive collection of some metadata out of the database(s) and host(s) to be considered. This metadata includes database(s) resources utilization such as: CPU, memory, space on disk, I/O operations per second (IOPS) and megabytes per second (MBPS).

To kick-off the Oracle database(s) sizing exercise, two pieces of information are enough:

1. Output of the public tool "*eSP collector*" executed once on each node that hosts the database(s) to be sized.
2. Hardware characteristics of the source system(s) such as: hardware make and model; processor used; its make and model; and CPU speed in GHz.

   Note: This information about the source system(s) is not collected by *eSP*.

eSP collector

To use this public tool, the database(s) should be licensed to use the Oracle Diagnostics pack.

The "*eSP collector*" gathers resources metrics over time for all Oracle databases hosted on a system where the collector is executed.

Notes: If the sizing includes a RAC database with two or more nodes, then run the collector in only one node.

If the database is single-instance then execute the collector on the host system for this database.

If the Sizing is on a set of databases on top of 4 servers, then run the collector once for each of the 4 servers regardless how many instances are hosted on each. In such case 4 output files are produced (one per server).

Steps:

1. Download *esp_collect-master.zip* following directions from https://www.enkitec.com/products/esp
2. Copy *esp_collect-master.zip* to server(s) (into any directory) where it will be executed, and unzip there.
3. Login as oracle, then navigate to *esp_collect-master* directory and execute shell script corresponding to source system: ***run_esp_master_linux.sh***, *run_esp_master_solaris.sh* or *run_esp_master_aix.sh* (refer to *readme.txt* for further details).

   Note: To collect requirements for just one database, instead of using the shell script you can connect into SQL*Plus as a user with query access to the data dictionary (i.e. SYS or a DBA account), then execute SQL script *sql/esp_master.sql*.

4. Provide to requestor (email or ftp) the compressed output file(s) *esp_output.zip.*

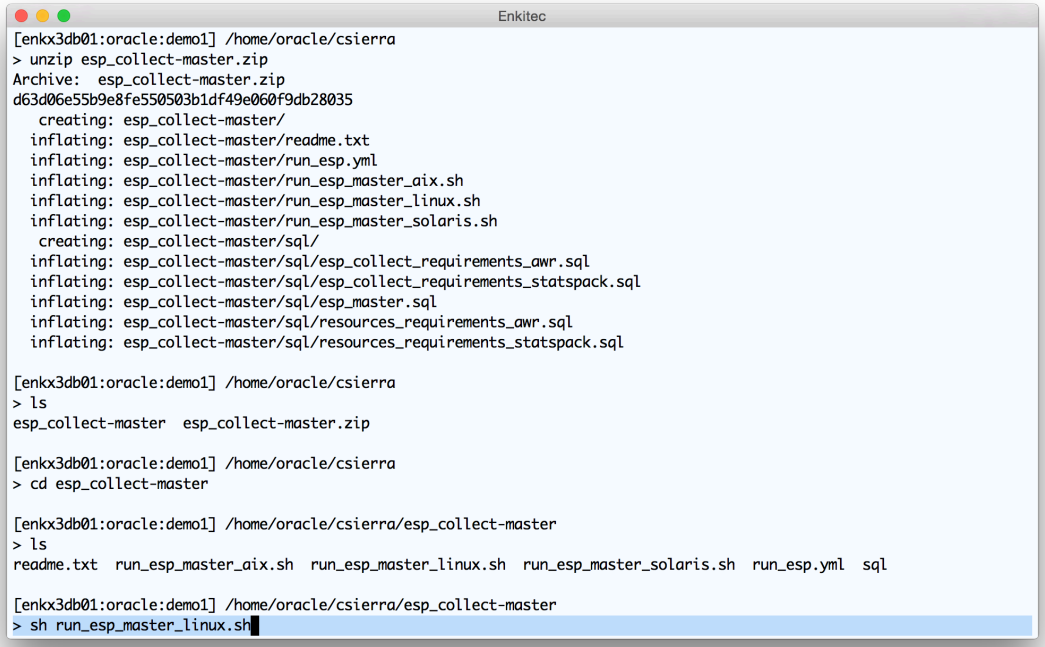

Figure 1 Sample execution of the *eSP collector*